

## 2007 ESRL GLOBAL MONITORING ANNUAL CONFERENCE

Boulder, Colorado  
May 2 and May 3, 2007

David Skaggs Research Center, Room GB124  
325 Broadway, Boulder, CO 80305

### POSTER SESSION AGENDA Room GB-124

(Presenter's name only is given; see abstract for complete author listing.)

#### Wednesday, May 2: 1600-1800

##### **Solar Radiation**

- P-1 The NOAA Annual Greenhouse Gas Index (AGGI) - Update 2006 – *D.J. Hofmann (ESRL/GMD)*
- P-2 Factors Affecting UV Radiation at Barrow, Alaska – *G. Bernhard (Biospherical Instruments, San Diego, CA)*
- P-3 Long-Term Stability of Rev Q. UV Multifilter Rotating Shadowband Radiometers, Part 4: Lamp Calibrations Versus the Langley Method – *G.T. Janson (Colorado State University, Fort Collins, CO)*
- P-4 The Information Available on Short-Term and Long-Term Tropospheric Ozone Variability from Zenith Sky UV Measurements – *I. Petropavlovskikh (CIRES/GMD)*
- P-5 A Proposed Working Standard for the Measurement of Diffuse Horizontal Shortwave Irradiance – *J.J. Michalsky (ESRL/GMD)*
- P-6 An Aerosol Optical Depth Climatology for the SURFRAD Network – *J.A. Augustine (ESRL/GMD)*
- P-7 A Network of Spectral Radiometers for the Study of Polar Aerosols – *R.S. Stone (CIRES/GMD)*

##### **Aerosols**

- P-8 Aerosol Optical Depth from Passive and Active Measurements during the 2005 Aerosol Lidar Validation Experiment at the ARM Site in Oklahoma – *P. Kiedron (CIRES/GMD)*
- P-9 Ultra-Fine and Fine Aerosol Number Concentrations at Zugspitze Station, Germany – *L. Ries (UBA, Federal Environment Agency)*
- P-10 Aerosol Optical Properties at a Polluted Continental Site – *E. Andrews (CIRES/GMD)*
- P-11 The NOAA/ESRL Airborne Aerosol Observatory: an Overview of the First Year of Operations – *P.J. Sheridan (ESRL/GMD)*

##### **Halocarbons and Hydrocarbons**

- P-12 In Situ Measurements of Methyl Chloride at the NOAA Baseline Observatories – *G.S. Dutton (CIRES/GMD)*
- P-13 Convection of Long and Very Short Lived Trace Gases into the UT/LS and TTL – *F.L. Moore (CIRES/GMD)*
- P-14 On Reconciling Competing Atmospheric Concentration Estimates from an In Situ ECD GC – *J.D. Nance (CIRES/GMD)*
- P-15 Exploring the Use of Compressed Gas Mixtures as Water Vapor Transfer Standards – *B. Hall (ESRL/GMD)*

##### **Ozone, Water Vapor and Radon**

- P-16 High Resolution Simulation, and Aura-MLS and Lidar Observations of an Unprecedented Polar Ozone Filament Event over Mauna Loa Observatory, Hawaii – *O.P. Tripathi (Table Mountain Facility, JPL, CA)*
- P-17 Requirements for New Measurements of the Absorption Cross-Section of Ozone for Accurate Determination of Ozone Concentration – *J. Viillon (Bureau International des Poids et Mesures, France)*
- P-18 Using Radon-222 to Test a Chemical Transport Model and Calculate Greenhouse Gas Fluxes – *A.I. Hirsch (CIRES/GMD)*
- P-19 NASA/AURA/Microwave Limb Sounder Water Vapor Validation by MLO Raman Lidar – *J.E. Barnes (ESRL/GMD)*
- P-20 Continental Outflow Events at Mauna Loa Observatory; a Review 1997-2006 – *W. Zadorowski (ANSTO, Australia)*
- P-21 Characterization of Mixing and Venting Processes in the Cloud-Topped Boundary Layer Using Airborne Radon Measurements – *W. Zadorowski (ANSTO, Australia)*
- P-22 Hourly Observations of the Near-Surface Radon Gradient at Lucas Heights, Sydney – *W. Zadorowski (ANSTO, Australia)*

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#### *Carbon Cycle*

- P-23 Observations of Trace Gas Correlation in the Free Troposphere Derived from the Atmospheric Infrared Sounder (AIRS)  
– *C. Barnet (NESDIS, MD)*
- P-24 Status of NIST Methane SRMs and Primary Standards – *J. Rhoderick (NIST, MD)*
- P-25 CO<sub>2</sub> Concentration, Flux and Net Ecosystem Carbon Exchange over a Corn Surface on the North China Plain  
– *B. Lingen (Chinese Academy of Meteorological Sciences, Beijing, China)*
- P-26 Monitoring Trace Gases by Shipboard Sampling – *M. Heller (CIRES/GMD)*
- P-27 Update on the GMD/WMO CO Reference Scale – *P. Novelli (ESRL/GMD)*
- P-28 Long-Term Primary Study on the Characteristics of Trace Gases in a Clean Area of North China  
– *B. Jianhui (Chinese Academy of Science, Beijing, China)*
- P-29 Regional Transport Analysis for Carbon Cycle Inversions Using RUC-LPDM System  
– *M. Uliasz (Colorado State University, Fort Collins, CO)*